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Application No. 10/519,419

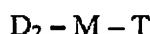
AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-10 (Cancelled)

Claim 11. (Currently Amended) An antitumor pharmaceutical composition having an antitumor effect in cases of adenocarcinoma, leukemia, melanoma and sarcoma, comprising at least one complex of the general formula



where

D is a β -diketone,

M is a metal atom selected from the group consisting of Cr, Cu, Mn, Fe, Ni, Co, Zn and Mo,

T is a substance having at least one N-, O- or S-containing group phenylalanine, and

where M participates in an electron donor-acceptor interaction with T, and M in the complex has a free coordination site.

Claim 12. (Currently Amended) The antitumor pharmaceutical composition as claimed in claim 11, wherein D is selected from acetylacetone and dibenzoylmethane.

Claim 13. (cancelled)

Claim 14. (Currently Amended) The antitumor pharmaceutical composition as claimed in claim 11, wherein T is a substance selected from the group consisting of 2,4-dihydroxy-5-fluoropyrimidine, 5-fluoro-1-(tetrahydro-2-furyl)-uracil, 2-[bis(2-

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~~chloroethyl) amino] tetrahydro 2H 1,3,2-oxazeposphorine 2-oxide, 1,2-imide propanoic amide, 2-hydroxymethyl-5-hydroxy- γ -pyrone, 2,4,6-trimethylpyridine, 2,4,6-tri-2-pyridyl-1,3,5-triazine, 4-[bis(2-chloroethyl)amino]-L-phenylalanine, 2-(3-pyridyl)piperidine, 2,2'-bipyridine, 2-methyl-(5-trimethylbutyl)-1-ii-o-3) pyridine, 2-methyl-(3-dimethyl-amino-1-propynyl)pyridine and 2-methyl-5-ethylenepyridine.~~

Claim 15. (Currently Amended) An ~~antitumor~~ pharmaceutical composition of the general formula

D₂ - M - T

in which D is acetylacetone, M is Cu and T is a substance selected from the group consisting of

~~2,4-dihydroxy-5-fluoropyrimidine, 5-fluoro-1-(tetrahydro-2-furyl)uracil, 2-[bis(2-chloroethyl) amino] tetrahydro 2H 1,3,2-oxazeposphorine 2-oxide, 1,2-imide propanoic amide, 2-hydroxymethyl-5-hydroxy- γ -pyrone, 2,4,6-trimethylpyridine, 2,4,6-tri-2-pyridyl-1,3,5-triazine, 4-[bis(2-chloroethyl)amino]-L-phenylalanine, 2-(3-pyridyl)piperidine, 2,2'-bipyridine, 2-methyl-(5-trimethylbutyl)-1-ii-o-3) pyridine, 2-methyl-(3-dimethyl-amino-1-propynyl)pyridine and 2-methyl-5-ethylenepyridine.~~

Claim 16. (Currently Amended) An ~~antitumor~~ pharmaceutical composition of the general formula

D₂ - M - T

in which D is acetylacetone, M is Mn and T is a substance selected from the group consisting of

~~2,4,6-trimethylpyridine,~~
~~2,4,6-tri-2-pyridyl-1,3,5-triazine, 2,2'-bipyridine, 2-(3-pyridyl)piperidine, 1,2-imidepropanoic amide and 4-[bis(2-chloroethyl)amino]-L-phenylalanine.~~

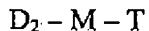
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Claim 17. (Currently amended) Complex of the general formula



in which D is acetylacetone, M is Cu and T is a substance selected from the group consisting of ~~2,4 dihydroxy-5-fluoropyrimidine, 5-fluoro-1-(tetrahydro-2-furyl)-uracil (tegafur), 2-[bis(2-chloroethyl)amino]tetrahydro-2H-1,3,2-exazephosphorine-2-oxide, 1,2-imidopropyl acid amide, 2-hydroxymethyl-5-hydroxy-O-pyrene, 2,4,6-trimethyl-pyridine, 2,4,6-tri-2-pyridyl-1,3,5-triazine, 4-[bis(2-chloroethyl)amino]-L-phenylalanine, 2-(3-pyridyl)piperidine, 2-2'-bipyridine, 2-methyl-(5-trimethylbutyl)-1-(3-pyridine, 2-methyl-(3-dimethylaminopropynyl)pyridine and 2-methyl-5-ethylenepyridine.~~

Claim 18. (Currently amended) Complex of the general formula



in which D is acetylacetone, M is Mn and T is a substance selected from the group consisting of ~~2,4,6-trimethyl-pyridine, 2,4,6-tri-2-pyridyl-1,3,5-triazine, 2-2'-bipyridine, 2-(3-pyridyl)piperidine, 1,2-imidopropyl acid amide and 4-[bis(2-chloroethyl)amino]-L-phenylalanine.~~